Ques 3
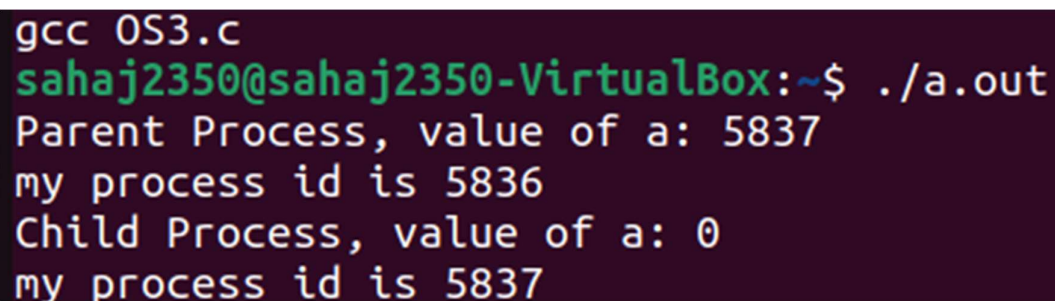
Code:

```c
#include <stdio.h>
#include <unistd.h>
int main()
{
    int a;
    a = fork();

    if (a == 0) {
        // This is the child process
        printf("Child Process, value of a: %d\n", a);
        printf("my process id is %d\n",getpid());
    } else if (a > 0) {
        // This is the parent process
        printf("Parent Process, value of a: %d\n", a);
        printf("my process id is %d\n",getpid());
    } else {
        // Fork failed
        printf("Fork failed\n");
    }

    return 0;
}
```

Output:

```
gcc OS3.c
sahaj2350@sahaj2350-VirtualBox:~$ ./a.out
Parent Process, value of a: 5837
my process id is 5836
Child Process, value of a: 0
my process id is 5837
```